| Inde | ex of C | laims |
|------|---------|-------|
|      |         |       |

| Application No. | Applicant(s) |
|-----------------|--------------|
| 10/617,850      | LULLA ET AL. |
| Examiner        | Art Unit     |
| Nihir Patel     | 3743         |

| √ | Rejected |  |
|---|----------|--|
| = | Allowed  |  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| o | Objected |

| Cla      | aim          | Date   |  |  |              |  |              |          | Claim Date   |          |      |                      |          |  |         |          | CI            | aim      | Date   |       |       |              |                 |          |          |           |                 |          |                 |          |           |
|----------|--------------|--|--|--|--------------|--|--------------|----------|--------------|----------|------|----------------------|----------|--|---------|----------|---------------|----------|--|-------|-------|--------------|-----------------|----------|----------|-----------|-----------------|----------|-----------------|----------|-----------|
|          | <del>-</del> | ٦  |  |  |              |  |              |          |              |          |      |                      | ā        |  |         |          |               |          |  |       |       | <del> </del> |                 |          | - [      | ]         |                 |          |                 |          | .         |
| Final    | Original     | 5/11/05  |  | '  |              |  |              |          |              |          |      | Final                | Original |  |         |          |               |          |  |       | Final | Original     |                 | -        |          |           |                 |          |                 |          |           |
| iI.      | Örič         | 5  |  |  |              |  |              |          |              |          |      | ίΞ                   | č        |  |         |          |               |          |  |       | ίΞ    | Ç            |                 |          |          | - 1       | -               |          | -               |          |           |
|          |              |  |  |  |              |  |              |          |              |          |      |                      |          |  | $\perp$ |          |               |          |  | _     |       |              |                 |          | $\perp$  | $\perp$   |                 | _        | $\perp$         | _        |           |
|          | 1            | 1  | _  |  | L            | _  | _            |          |              |          |      |                      | 51       |  |         | $\sqcup$ |               |          |  | _     |       | 101          |                 |          | 4        | 4         | _               | _        | _               | _        | ᅵ         |
| <u> </u> | 2            | Ŀ  |  | _  | L            | _  | _            |          |              |          |      |                      | 52       |  | $\bot$  |          |               |          | $\perp \perp$                                    |       |       | 102          |                 |          | 4        |           | _               | _        | _               | _        | _         |
|          | 3            | <u>  -</u>                                       | _  | ļ  | ļ            |  | _            |          |              |          |      |                      | 53       |  |         |          | _             |          |  | _     |       | 103          |                 |          | _ _      | _         | _               | $\dashv$ | _               | _        | ᅬ         |
| <u> </u> | 4            | -  | _  |  | <u> </u>     | <u> </u>   |              |          |              |          |      |                      | 54       |  |         | 1        |               |          |  | _     |       | 104          |                 |          | _        | 4         | _               | $\dashv$ | $\dashv$        | _        | _         |
| <u> </u> | 5            | 1  | <u> </u>   |  | ↓_           | <u> </u>   |              |          |              |          |      |                      | 55       |  |         | 1        |               |          | <u> </u>   | _     |       | 105          |                 |          | _        | 4         | _               | _        | _               | _        | _         |
|          | 6            | 1  | _  | <u> </u>   | _            | _  | <u> </u>     |          | L            |          |      |                      | 56       |  | -       | -        |               | _        | <u> </u>   | 4     |       | 106          |                 | -        | 4        | 4         | _               | _        | _               | _        | _         |
|          | 7            | 1  |  | _  |              |  | _            |          | L            |          |      |                      | 57       | <u> </u>   |         | 4        | _             |          | $\vdash$   | 4:::: |       | 107          |                 |          | 4        | 4         | _               | _        | _               | 4        | _         |
| <u> </u> | 8            | 1  | <u> </u>   | <u> </u>   | ļ            |  | -            |          |              |          |      |                      | 58       | $\vdash$   | -       | $\vdash$ | -1            |          | $\vdash$   | 4     |       | 108          |                 | $\vdash$ | +        | 4         | _               | _        | 4               | -        | 4         |
|          | 9            | 1  | _  | <u> </u>   |              | -  | _            | _        | _            |          |      |                      | 59       |  | _       | -        | $\dashv$      | - -      |  | 4     |       | 109          |                 | -        | -        | 4         | -               | $\dashv$ | -               | -        | $\dashv$  |
| <u> </u> | 10           | 1  |  |  | <u> </u>     | -  | <u> </u>     |          | <u> </u>     |          |      |                      | 60       | $\vdash$   | _       | $\vdash$ | _             | _        | $\vdash$   | 4     |       | 110          |                 | +        | +        | $\dashv$  | -               | _        | 4               | -        | 4         |
|          | 11           | 1  |  | -  | <del> </del> | ├  | _            |          | $\vdash$     | H        |      |                      | 61       | $\vdash$   | +       | $\vdash$ | $\dashv$      | -        | $\vdash \vdash$                                  | 4:::: |       | 111          | $\vdash$        | $\vdash$ | $\perp$  | 4         | $\dashv$        | -        | $\dashv$        | $\dashv$ | 4         |
| <u> </u> | 12           | 1  | Ͱ  | $\vdash$   | -            | ├-   | ├—           |          | $\vdash$     | H        |      | $\vdash\vdash\vdash$ | 62       | -  |         |          |               |          | -  | - ::: |       | 112          |                 |          | +        |           |                 |          |                 |          |           |
|          | 13           | ٧  | -  | <u> </u>   | -            | -  | -            | $\vdash$ | H            |          |      | $\vdash \vdash$      | 63       | -  |         | ╁┷┤      |               |          | -  | -     |       | 113          | $\vdash \dashv$ | -        | +        | -         |                 |          |                 |          |           |
|          | 14           | -  | -  |  | $\vdash$     | <u> </u>   | $\vdash$     | $\vdash$ | $\vdash$     | H        |      |                      | 64       | <del>  -</del>                                   | -       | $\vdash$ |               |          | ├  | -     |       | 114          | <u> </u>        | $\vdash$ | +        | +         | -+              |          | -               | -+       | _         |
|          | 15           | -  | ├—   | -  | -            | ├-   | ├-           | ⊢        | H            | -        |      | $\vdash$             | 65       | $\vdash$   |         | ╁        |               | -        | -  | -     |       | 115          |                 |          | -        |           | -               | -        |                 |          |           |
|          | 16           | <u> -</u>  | -  |  | ⊢            | -  | -            | ₩        |              |          |      | _                    | 66       |  |         | -        |               |          |  | -     |       | 116          | _               |          | -        | -         | -               |          | -               |          |           |
|          | 17           |  | ļ  |  | ├-           | <u> </u>   | -            |          | -            |          |      |                      | 67       | $\vdash$   |         | $\vdash$ | $\vdash$      |          | $\vdash$   | 4:::  |       | 117          | _               |          | -        | -         | $\dashv$        | $\dashv$ | $\dashv$        | -        |           |
|          | 18           | _  |  |  | -            | -  | ├-           | H        | -            |          |      |                      | 68       | <del>   </del> -                                 | +       | $\vdash$ | -             |          | $\vdash$   | -     |       | 118          | _               | -        |          | +         | -               |          | -               | -        | _         |
|          | 19           | -  | <u> </u>   |  | ├-           | -  |              |          | ├-           |          |      |                      | 69       |  | +-      | ╌        | $\rightarrow$ |          |  | - ::: |       | 119          |                 |          |          | -         | -               |          | -               |          | _         |
|          | 20           | <u> </u>   | <u> </u>   | -  | ├            |  |              |          | ļ            |          |      |                      | 70       | $\vdash$   | +       | +1       | +             |          | $\vdash$   | -     |       | 120          |                 |          |          | -         |                 |          |                 |          |           |
|          | 21           |  |  |  | ┝            |  | <u> </u>     |          |              | ·        |      |                      | 71       | $\vdash$   | +       | $\vdash$ | $\dashv$      | +        |  | -     |       | 121          | _               |          |          |           |                 |          | -+              |          | -         |
| <u> </u> | 22           | <u> </u>   | ├  |  | ⊢            | -  |              |          | -            |          |      |                      | 72       | $\vdash$   | +       | Н        | $\dashv$      | +        | <del>   -</del>                                  | -     |       | 122          | _               |          | -        |           | -               |          | -               | -+       |           |
|          | 23           | _  | ⊢  |  | ┢            | -  |              | ļ        | -            | -        |      |                      | 73<br>74 | $\vdash$   | +       | $\vdash$ | $\dashv$      | -        |  | 4     |       | 123          | _               | $\vdash$ | +        | $\dashv$  | $\dashv$        |          | $\dashv$        | $\dashv$ | $\dashv$  |
| <u> </u> | 24           | _  | ├  |  |              | ├  | -            | ├        | $\vdash$     |          |      |                      | 75       | $\vdash$   | +-      | $\vdash$ |               |          | $\vdash$   | -     |       | 124<br>125   |                 | +        | +        | $\dashv$  | -               | +        | -               | $\dashv$ | $\dashv$  |
| <u> </u> | 25           | -  |  | -  | ┝            | ⊨  | ⊢            |          |              |          |      |                      | 76       |  |         | -        |               |          | <del>                                     </del> | -     |       | 126          |                 | +        | +        | $\dashv$  | -               | -        | $\dashv$        | $\dashv$ | $\dashv$  |
| -        | 26<br>27     |  | ├  |  | ┢            | ┢  | $\vdash$     |          | H            |          |      | _                    | 77       |  | +       | -        | -+            | +        | $\vdash$   | -     |       | 127          |                 | $\vdash$ | +        | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
| <u> </u> | 28           | ┝  | ├  | _  | ╁            | ╁  | $\vdash$     | ├        | -            |          |      |                      | 78       |  | +       | $\vdash$ | $\overline{}$ | +        | $\vdash$   | -     |       | 128          |                 | +        | +        | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
|          | 29           |  | ┢  |  | ⊢            | $\vdash$   | $\vdash$     | ├─       | -            | _        |      |                      | 79       | $\vdash$   | +       | +        | $\dashv$      | +        | $\vdash$   | -     |       | 129          |                 | $\vdash$ | +        | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
|          | 30           |  | ╁  |  | $\vdash$     | ╁  | $\vdash$     | -        | -            |          |      |                      | 80       | -  | +       | $\vdash$ | $\dashv$      |          |  | -     |       | 130          | -               |          | -        | $\dashv$  | -               | ᅱ        | +               |          |           |
| -        | 31           | -  | <del>                                     </del> |  | ╁            | ╁  | -            |          | -            |          |      |                      | 81       | $\vdash$   | ╁       | $\vdash$ | -             | $\dashv$ |  | -     |       | 131          |                 | -        | -        | -         | -+              |          | -               | -        | $\dashv$  |
|          | 32           | ┢  |  |  | -            | ┼  | -            | $\vdash$ |              |          |      |                      | 82       | $\vdash$   | +       | $\vdash$ | -             |          | <del>                                     </del> | -     |       | 132          |                 | -+       | +        | $\dashv$  | $\dashv$        | $\dashv$ |                 | $\dashv$ | $\dashv$  |
|          | 33           | -  | ╁╾   | -  | -            | ╁╌   |              | ╁        | $\vdash$     |          |      |                      | 83       | $\vdash$   |         | 1-1      | -             | +        | <del>   -</del>                                  | -     |       | 133          |                 | $\vdash$ | ╅        | 十         | <del>-</del> -t | -        | -               | ᆉ        | 一         |
| <u> </u> | 34           | $\vdash$   | t  | $\vdash$   | $\vdash$     | $\vdash$   |              | $\vdash$ |              |          |      | <del></del>          | 84       | <del>  -</del>                                   | +       | $\vdash$ | $\dashv$      | +        | $\vdash$   | -     |       | 134          |                 | $\vdash$ | $\dashv$ | $\dashv$  | 十               | $\dashv$ | $\dashv$        | +        | $\dashv$  |
|          | 35           | 1  | H  | <u> </u>   | t            | H  |              | t        | Н            |          |      | <b></b>              | 85       | <del>                                     </del> | $\top$  | Н        | $\dashv$      | +        | $\vdash$   | -     |       | 135          |                 | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | 一         |
| <u> </u> | 36           |  | t  |  | T            | t  |              | t        | Т            |          |      |                      | 86       |  | +       | Н        | $\dashv$      | $\top$   | $\vdash$   | -     |       | 136          |                 | $\vdash$ | +        | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | ᅥ         |
|          | 37           |  | t  |  | $\vdash$     | t  |              | t        | Т            |          |      |                      | 87       | -  | +       | Н        | $\vdash$      | +        | $\vdash$   | 7     |       | 137          |                 |          | $\top$   | $\dashv$  | $\dashv$        | 1        | $\dashv$        | _        | ᅱ         |
| <b>—</b> | 38           | t  | $\vdash$   | H  | ┰            | <del>                                     </del> | <del> </del> | $t^{-}$  | <del> </del> |          |      |                      | 88       | $\vdash$   | $\top$  | Н        | $\dashv$      | $\top$   | $\vdash$   |       |       | 138          | М               | $\vdash$ | +        | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
| $\vdash$ | 39           | <del>                                     </del> | 1  | <u> </u>   | 1            | 1  | 1            | t        | $\vdash$     |          |      |                      | 89       | $\vdash$   | $\top$  | $\vdash$ | -             | $\dashv$ | - -  | 1     |       | 139          |                 |          | 十        | _         | $\neg \dagger$  |          | 7               | -        | $\dashv$  |
| <b> </b> | 40           |  | t  | $\vdash$   | $\vdash$     | T  |              | t        | $\vdash$     |          |      |                      | 90       | - -  | $\top$  | Н        | $\dashv$      | $\top$   | $\vdash$   | 7     |       | 140          |                 | $\vdash$ | $\top$   | $\dashv$  | $\dashv$        | 一        | $\dashv$        | $\dashv$ | ᅱ         |
|          | 41           |  |  |  |              | 1  | T            |          | 1            |          |      |                      | 91       | $\sqcap$   | $\top$  | П        | $\dashv$      |          |  | 7     |       | 141          | $\vdash$        | $\vdash$ | 7        | 7         | $\dashv$        | 一        | 寸               | 一        | ᅥ         |
|          | 42           | <del>                                     </del> | 1  | <del>                                     </del> | 1            | <del>                                     </del> | Г            | 1        | 1            |          |      |                      | 92       | $\vdash$   | $\top$  | П        | $\dashv$      |          |  | 7     |       | 142          | Т               |          | $\dashv$ | 7         | _               | 一        | 一               | _        | $\dashv$  |
|          | 43           | Г  |  |  |              | T  |              |          |              | Г        |      |                      | 93       |  | $\top$  |          |               |          |  | 7     |       | 143          |                 | ·        | 丁        |           |                 | コ        | 寸               | 一        | $\neg$    |
|          | 44           |  | 1  | Г  |              | 1  |              |          |              | Г        | :::: |                      | 94       |  | T       | П        |               |          |  | 7     |       | 144          | $\overline{}$   | $\vdash$ |          | $\exists$ |                 | 1        |                 | $\dashv$ | $\neg$    |
|          | 45           |  | $\vdash$   | 1  | 1            | 1  | Г            |          |              | $\vdash$ |      |                      | 95       | $\sqcap$   | $\top$  | П        | $\Box$        |          |  | 7     |       | 145          |                 |          |          |           |                 | 一        | $\neg$          | $\dashv$ | $\dashv$  |
|          | 46           | $\vdash$   | T  | T  | T            | T  |              | T        | T            |          |      |                      | 96       |  | $\top$  | П        | $\Box$        |          |  | 7     |       | 146          |                 |          | $\dashv$ | 寸         | $\neg$          | $\neg$   | 7               |          | ᅥ         |
|          | 47           |  |  |  |              |  |              | T        |              |          |      |                      | 97       |  | 1       | $\sqcap$ | $\Box$        |          |  |       |       | 147          |                 |          | $\neg$   | 寸         |                 | $\neg$   | 7               | $\neg$   | $\exists$ |
|          | 48           | Γ  |  | 1  | T            |  | Г            | Π        | $\Box$       |          |      |                      | 98       |  | 1       | П        | $\Box$        |          |  |       |       | 148          |                 |          | 寸        | 寸         | 寸               | $\neg$   | $\neg \uparrow$ | $\neg$   | ᅱ         |
|          | 49           |  |  |  |              |  |              |          |              |          |      |                      | 99       |  | T       | П        | $\Box$        |          |  |       |       | 149          |                 |          |          |           |                 |          | $\neg$          |          | ヿ         |
|          | 50           |  |  |  |              |  | L            |          |              |          |      |                      | 100      |  |         |          |               |          |  |       |       | 150          |                 |          | I        |           |                 |          | J               | ┚        | ╗         |
|          |              |  |  |  | _            | •  | •            |          | •            | _        |      |                      |          |  |         |          |               |          |  |       |       | ·            | _               |          |          |           |                 |          |                 | _        |           |